PCG-FX310/FX310K/FX310P/FX340/FX340K/FX340P/PCG-FX370/FX370K/FX370P/FX390/FX390K/FX390P

SERVICE MANUAL

For American Area

US Model Canadian Model

Ver 4-2001K

All the supplementary information are attached at the end of data files.

Update List

Lineup: PCG-FX310 PCG-FX310K PCG-FX310P PCG-FX340 PCG-FX340K PCG-FX370 PCG-FX370 PCG-FX370K PCG-FX370P PCG-FX390 PCG-FX390K PCG-FX390P





NOTEBOOK COMPUTER



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All other trademarks are trademarks or registered trademarks of their respective owners. Other trademarks and trade names may be used in this document to refer to the entitles claiming the marks and names or their produces. Sony Corporation disclaims any proprietary interest in trademarks and trade names other than its own. <u>Caution Markings for Lithium/Ion Battery</u> - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate.

Dispose of used battery promptly.

Keep away from children.

CAUTION: Changing the back up battery.

- Overcharging, short circuiting, reverse charging, multilation or incineration of the cells must be avoided to prevent one or more of the following occurrences; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any protection.

Service and Inspection Precautions

1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents

2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the \triangle mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270C.
- \bullet Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

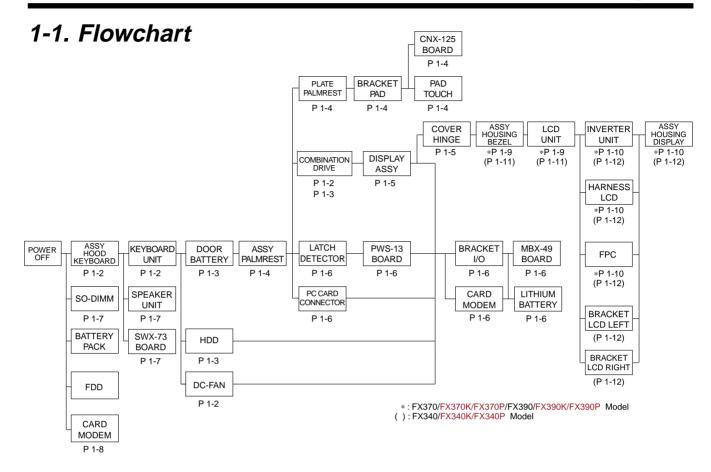
LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

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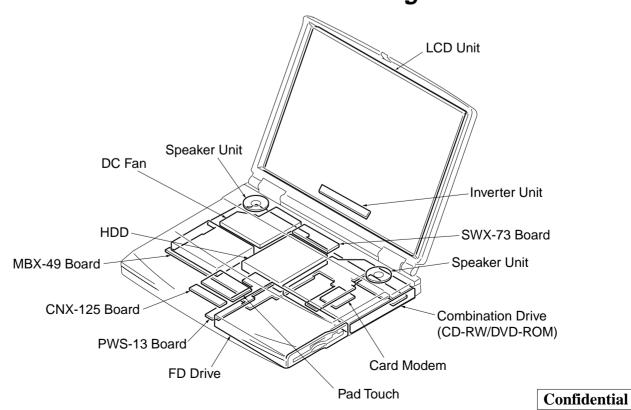
(to 1-15)

MEMO



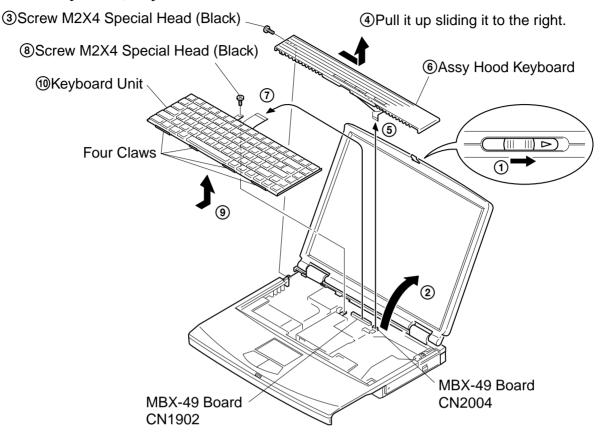
- P XX means pages that appears in this manual.
- Remember that hard disk drives are easily damaged by vibration. Always handle with care.

1-2. Main Electrical Parts Location Diagram

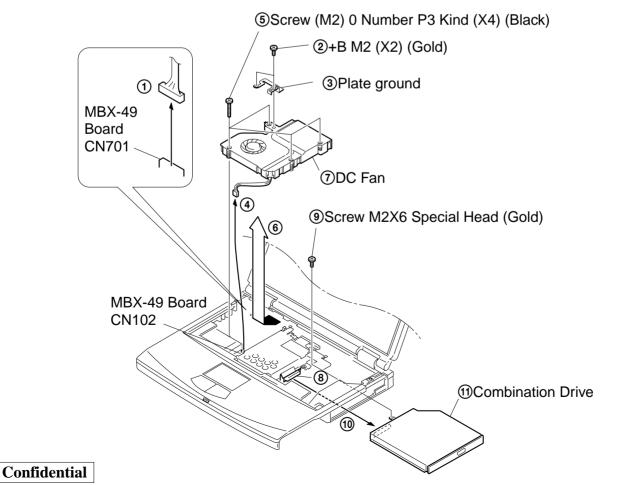


1-3.Removal

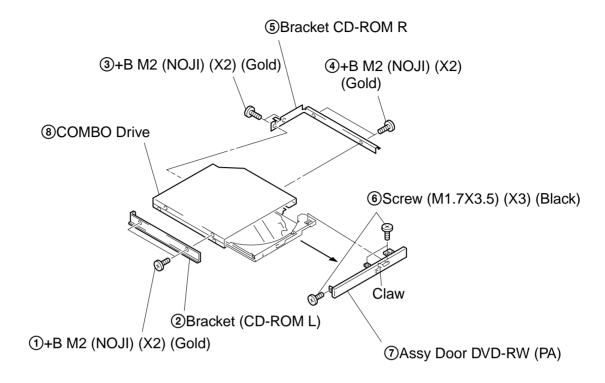
1. Assy Hood Keyboard, Keyboard Unit



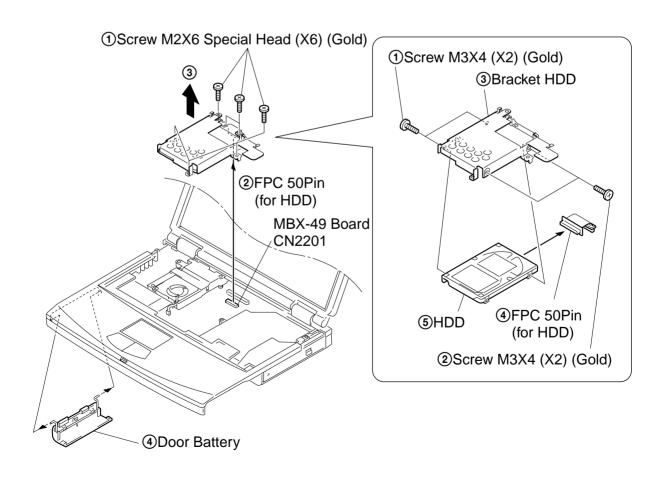
2. DC-Fan, Combination Drive



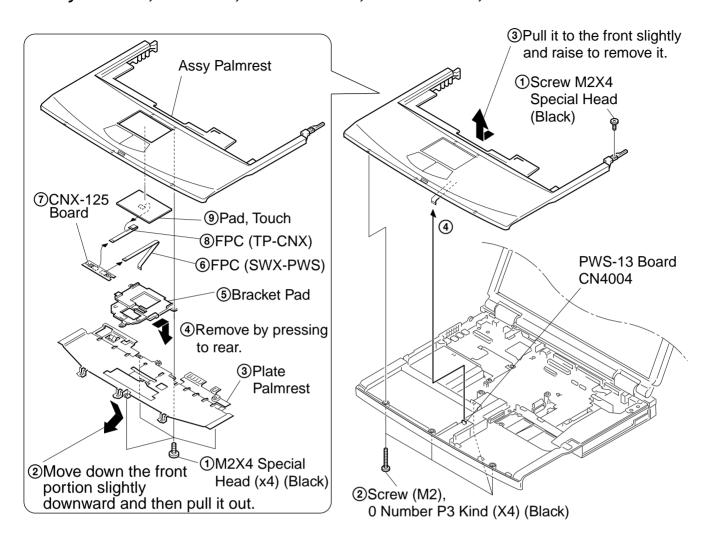
3. Combination Drive



4. HDD, Door Battery



5. Assy Palmrest, Pad Touch, CNX-125 Board, Plate Palmrest, Bracket Pad



6. Display Assy, Cover Hinge 1)Stand the LCD upright to the MBX-49 board. 7 Screw M2.6 Cross (Hole) ③+B M2 (X2) (Gold) Bind (Black) Head (Gold) 4 Plate ground ①Screw +B 2X12 (Silver) 11)M2X6 Special Head (Black) **⑤Screw M2.6** Cross (Hole) Six Claws Bind (Black) MBX-49 Board **6** Screw M2.6 Cross CN701 (Hole) Bind (X2) (Black) ®Screw (M2), 0 Number P3 Kind (Black) (3) Close simultaneously both left and right hinges approximately 90° in the direction of the arrow. **14**Cover Hinge **16** Display Base Four Claws

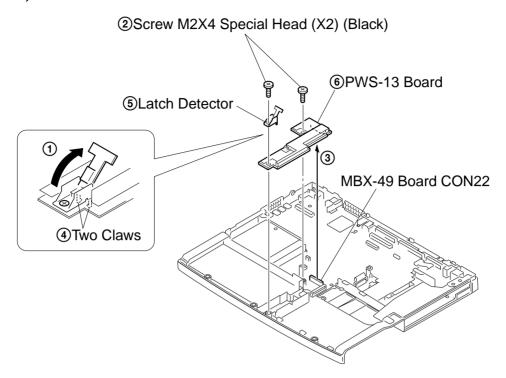
Confidential

PCG-FX310/FX310K/FX310P/FX340/FX340K/
PCG-FX340P/FX370/FX370K/FX370P/FX390/
PCG-FX390K/FX390P (AM)

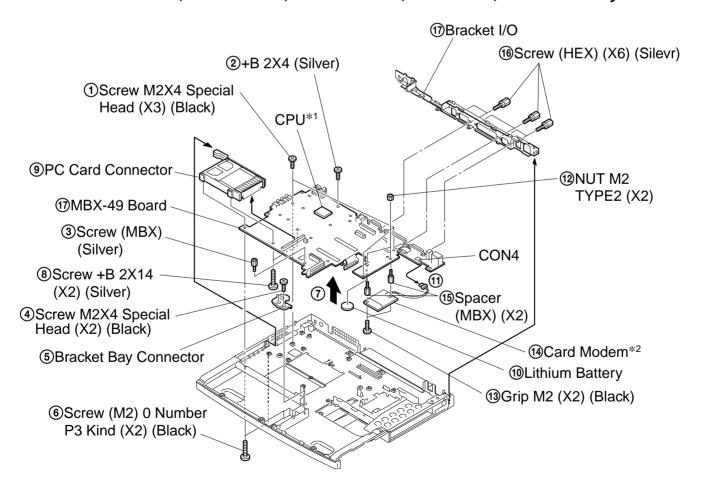
Display Assy

Note: To remove the cover hinge, bend slightly the center of the display base facilitates the removal work.

7. PWS-13 Board, Latch Detector



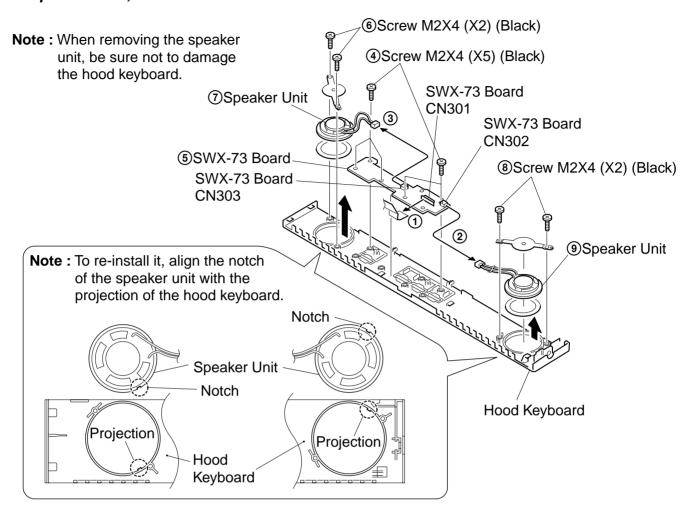
8. PC Card Connector, Card Modem, MBX-49 Board, Bracket I/O, Lithium Battery



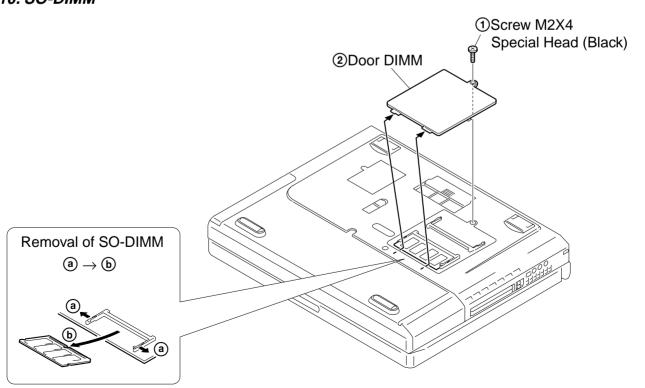
- *1 When removing the CPU, refer to "1-4. Replacing the CPU".
- *2 Modem card can be removed from the bottom.

 Refer to the subsequent paragraph "11. Card Modem" for more details.

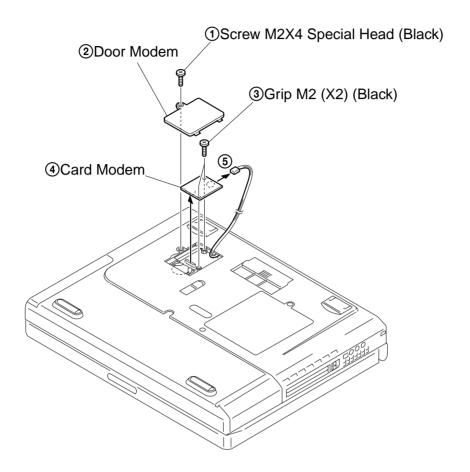
9. Speaker Unit, SWX-73 Board



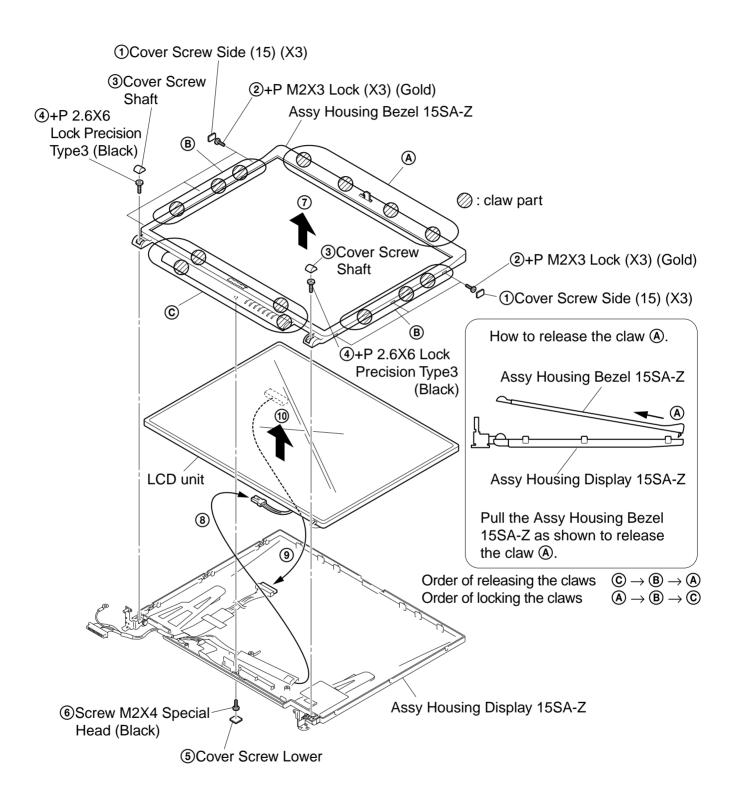
10. SO-DIMM



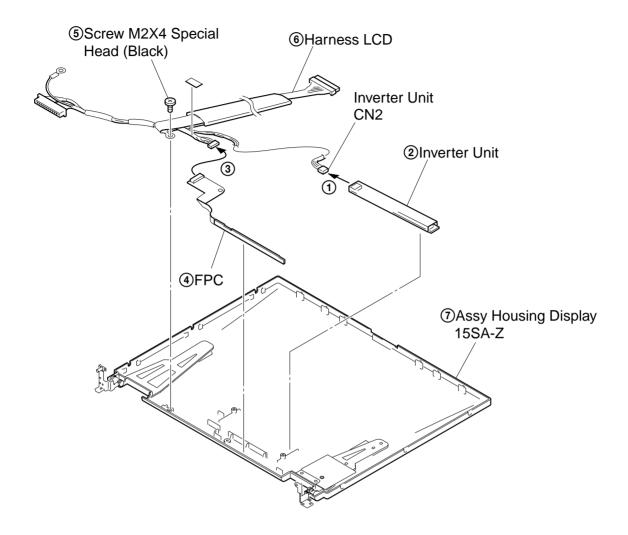
11. Card Modem (Removing from the bottom)



12. LCD Section (FX370/FX370K/FX370P/FX390/FX390K/FX390P Model) – Made by TS – 1. Assy Housing Bezel, LCD Unit

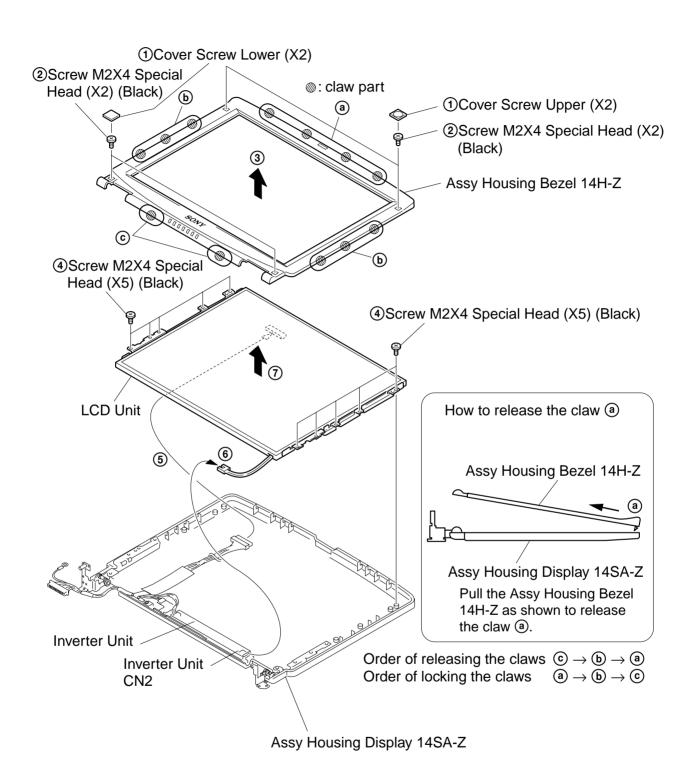


2. Inverter Unit, FPC, Assy Housing Display, Harness LCD

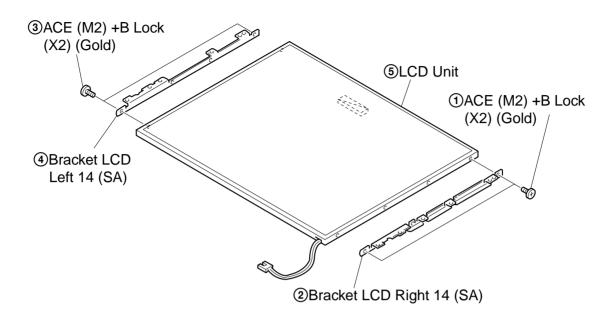


13. LCD Section (FX340/FX340K/FX340P Model) - Made by AC -

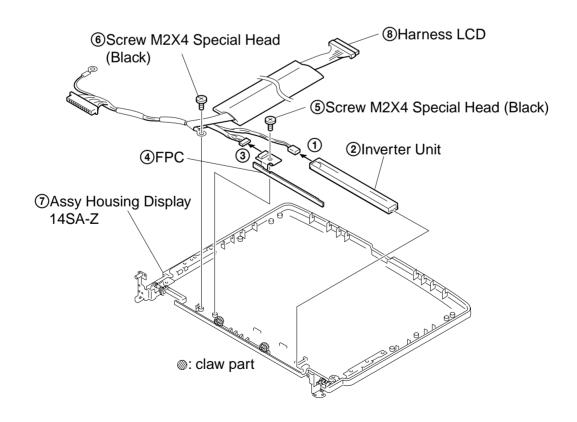
1. Assy Housing Bezel (14 inch)



2. Bracket LCD Left, Bracket LCD Right, LCD Unit (14 inch)



3. FPC, Inverter Unit, Assy Housing Display, Harness LCD



1-4.Replacing the CPU

NOTE:

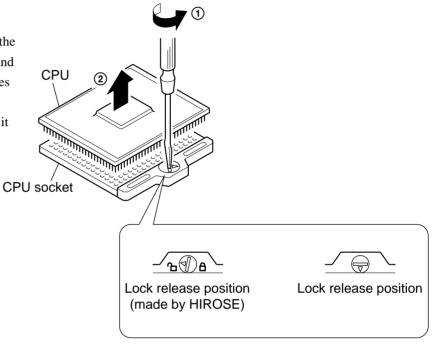
This computer uses either one of the two types of CPU socket.

The CPU locking position and the lock-release position are different depending on the types of the CPU socket.

1. Socket type 1, 2

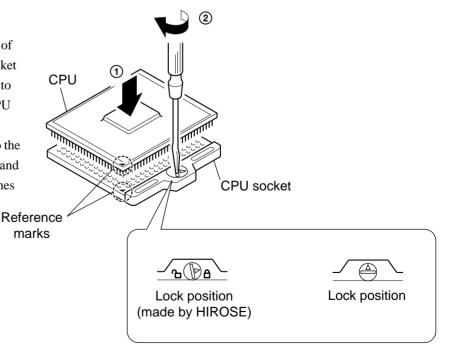
1. Removing the CPU

- ① Insert a flat-blade screwdriver into the notch as shown in the illustration and rotate it so that the protrusion comes to the lock release position.
- ② Pull the CPU gently upward to lift it out of the CPU socket.



2. Installing the CPU

- ① Align the triangle reference mark of the CPU with that of the CPU socket and insert all the pins of the CPU to the corresponding holes of the CPU socket.
- ② Insert a flat-blade screwdriver into the notch as shown in the illustration and rotate it so that the protrusion comes to the lock position.

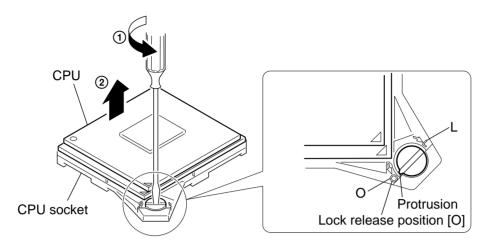


NOTE:

Rotate a flat-blade screwdriver to the lock position securely. If not, the operation of the CPU may become unstable.

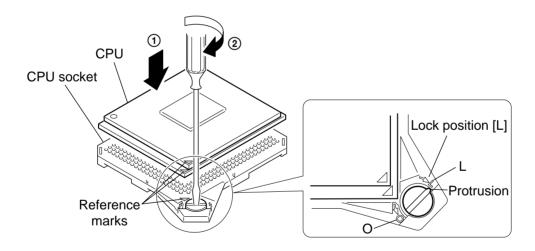
2. Socket type 3

1. Removing the CPU



- ① Insert a flat-blade screwdriver into the notch as shown in the illustration and rotate it so that the protrusion comes to the "O" (lock release) position.
- 2 Pull the CPU gently upward to lift it out of the CPU socket.

2. Installing the CPU



- ① Align the triangle reference mark of the CPU with that of the CPU socket and insert all the pins of the CPU to the corresponding holes of the CPU socket.
- ② Insert a flat-blade screwdriver into the notch as shown in the illustration and rotate it so that the protrusion comes to the "L" (lock) position.

NOTE:

- Considerable force is required to rotate a flat-blade screwdriver.
- Rotate a flat-blade screwdriver to the "L" (lock) position securely. If not, the operation of the CPU may become unstable.

1-5. DIP Switch Setting of the MBX-49 Board

Set the DIP switch on the MBX-49 board (main board) to match with the LCD that is used in this computer, because several types of LCD are used as shown in the following table and the DIP switch setting differs depending on the LCD type.

MODEL	Name of LCD	Part No.	DIP switch setting
FX370/FX370K/ FX370P/FX390/ FX390K/FX390P	TS	1-477-012-11	The upper position where ON indication is shown is the ON position . The lower position is the OFF position. No. 1 2 3 4 5 6 7 8 ON/OFF 0 1 0 0 0 1 1 1 0:ON 1:OFF
FX340/FX340K/ FX340P	AC	1-476-166-11	The upper position where ON indication is shown is the ON position . The lower position is the OFF position. No. 1 2 3 4 5 6 7 8 ON/OFF 1 1 0 1 1 1 1 1 0:ON 1:OFF
FX310/FX310K/ FX310P	НІ	A-8025-245-A	The upper position where ON indication is shown is the ON position . The lower position is the OFF position. No. 1 2 3 4 5 6 7 8 ON/OFF 0 0 1 0 0 1 1 1 0:ON 1:OFF

MEMO

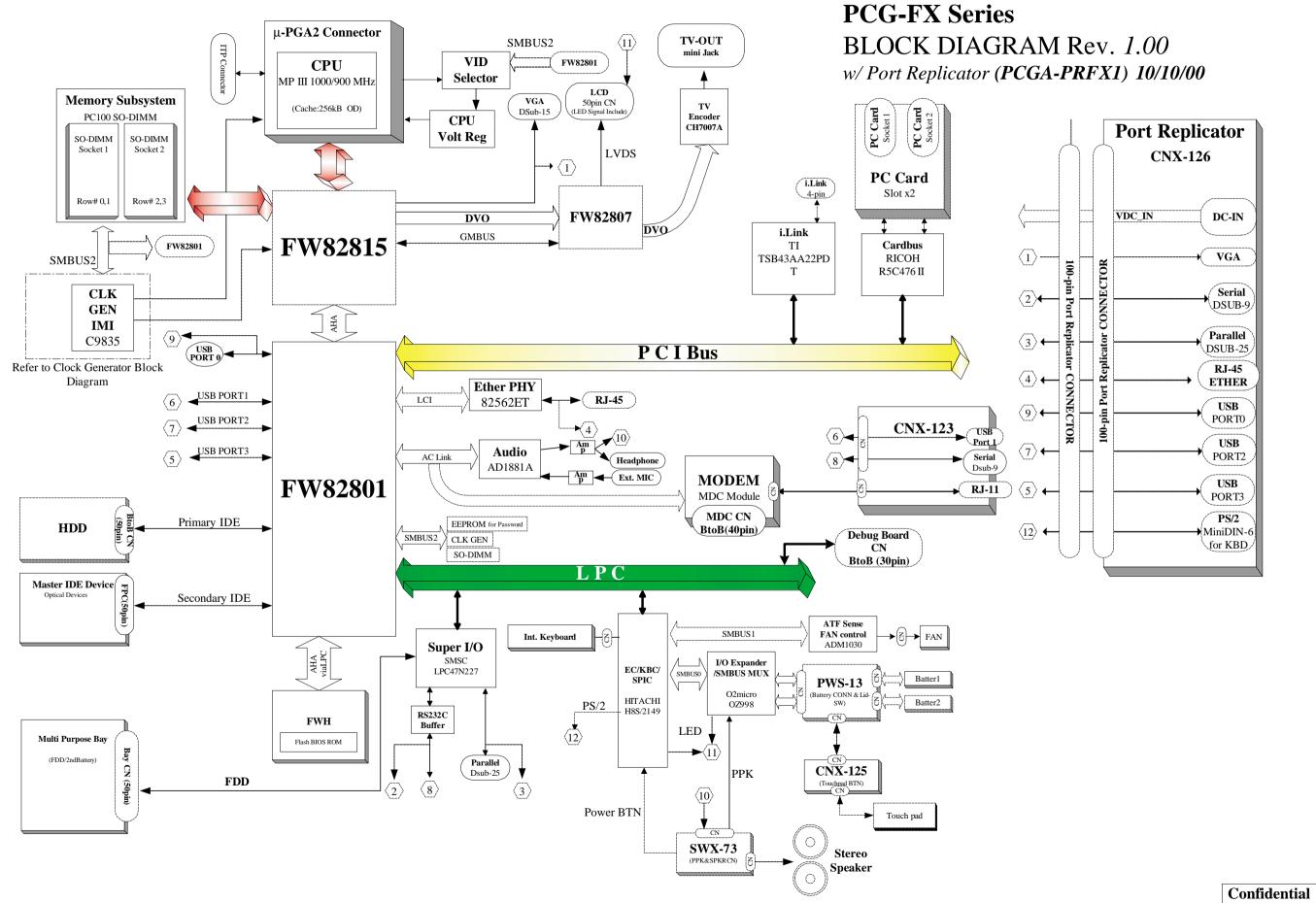
CHAPTER 2. SELF DIAGNOSTICS

ATTENTION

Please confirm "Self Diagnostics" method which will be informed you with distribution of "Self Diagnostics" software.

MEMO

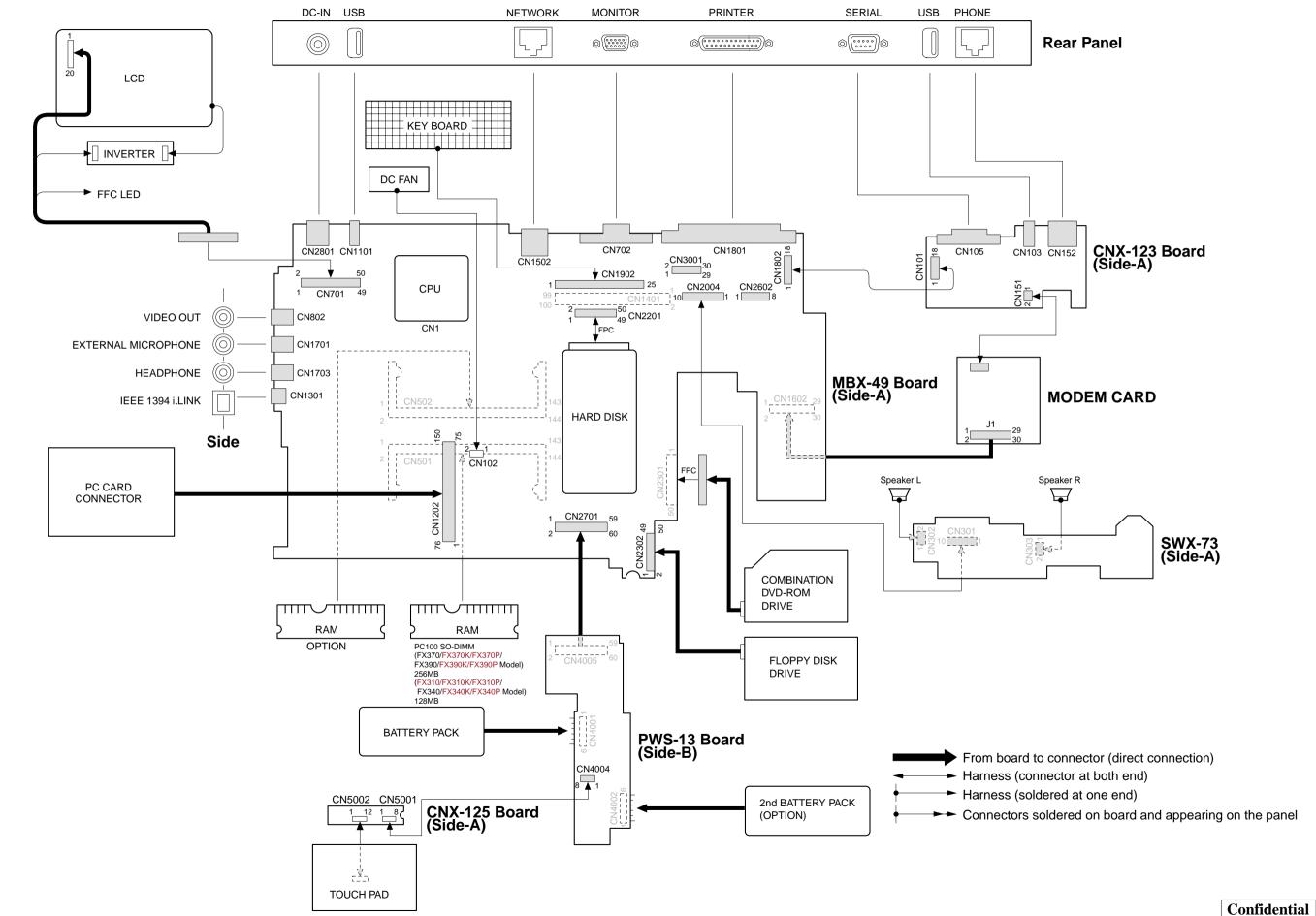
CHAPTER 3. BLOCK DIAGRAM



3-2 (END)

MEMO

CHAPTER 4. FRAME HARNESS DIAGRAM



MEMO

EXPLODED VIEWS AND PARTS LIST

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- When two or more parts are shown in parallel, use the part described first as the main part.

The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Ne les remplacer que par une pièce portant le numéro spécifié.

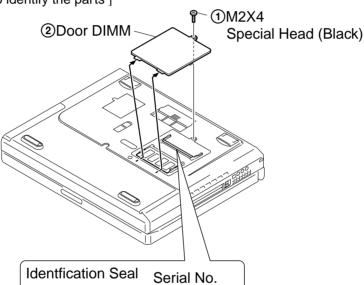
How to use properly the repair parts.

There are some parts that use the 2 types; the [CH] parts or alternately the [JP] parts, in this series. Use the [CH] repair parts for the [CH] type product, vice versa.

The jack and connectors can be repaired in the [JP] type only.

For the circuit boards of the [CH] type, refer to "5-5.Connector Section".





Identification seal is attached on the expansion memory connector.

[Repair part description example]

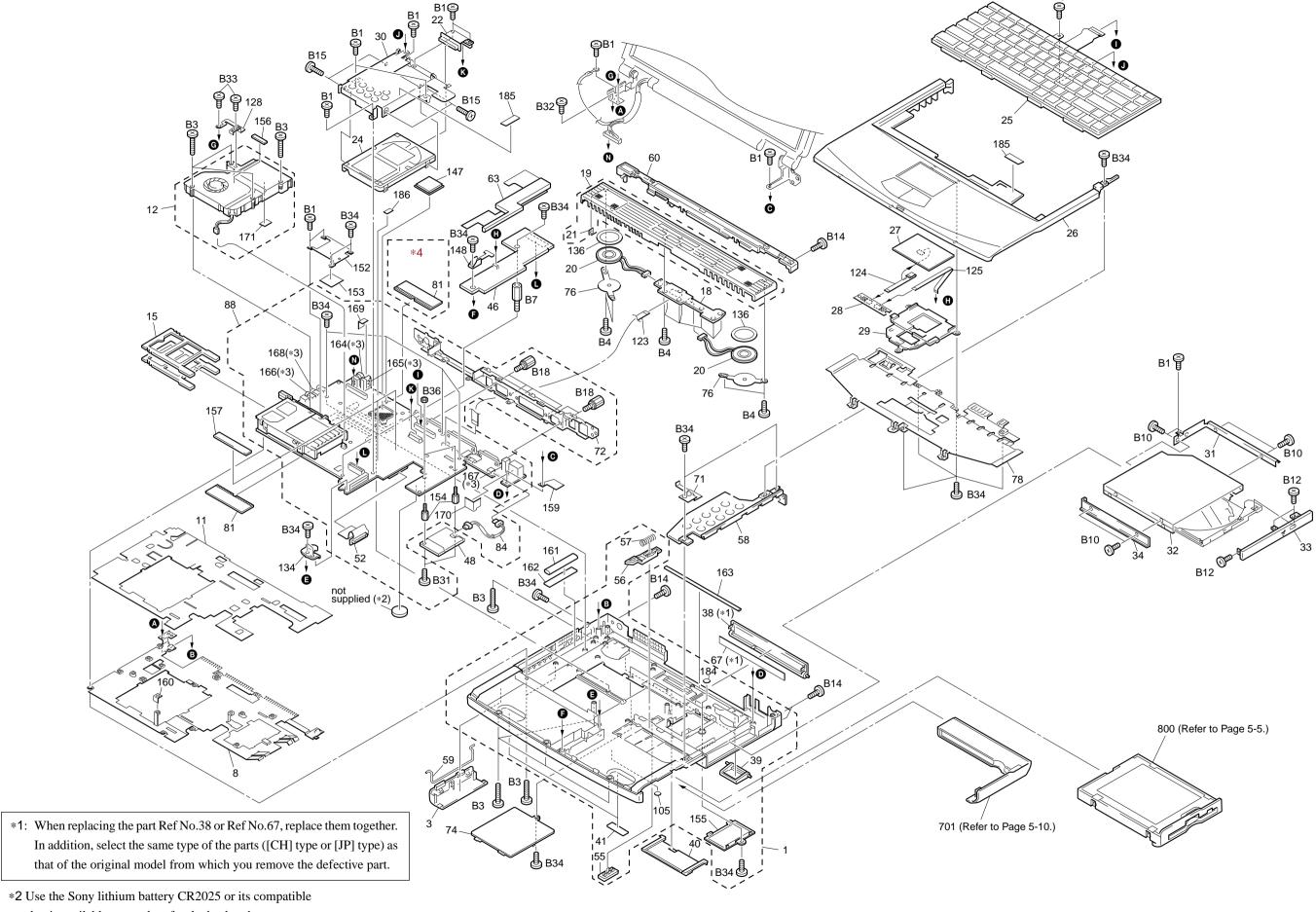
<u>Ref.No.</u>	<u>Part No.</u>	Description		
999 999		[CH]MBX-49 [JP]MBX-49	/	 ,

5-1. Main Section

1 X-6021-985-1 (CS)ASST BOTTOM (AS) 3 X-6021-985-1 (CS)ASST BOTTOM (AS) 3 X-6021-972-2 (DOR MATTEY 4 X-6021-972-2 (DOR MATTEY 5 X-6021-972-2 (DOR MATT	Ref.No.	Part No.	<u>Description</u>		Part No.	<u>Description</u>
**8	1 1 3 3	X-4623-762-3 4-640-837-32	DOOR BATTERY		6-600-065-01	(FX370/FX370K/FX370P/FX390/FX390K/ FX390P)IC MT8LSDT3264HG-10EB1
1-528-287-11 SPEANER UNIT 123 1-790-711-21 FFC (PEX) 122 1-790-693-22 FFC (SEN) (FOR HDD) 122 1-790-693-22 FFC (SEN) (FOR HDD) 122 1-790-710-21 FFC (SEN) (FOR HDD) 123 1-790-710-21 FFC (SEN) (FOR HDD) 124 1-790-710-21 FFC (SEN) (FOR HDD) 125 1-790-710-21 FFC (SEN) (FFC (SEN) (FFC (SEN)) 1-790-710-21 FFC (SEN) (FFC (SE	* 8	4-651-706-21	HEATSINK BOTTOM	81	8-749-019-00	(FX310/FX310K/FX310P/ FX340/FX340K/FX340P)
1-528-287-11 SPEANER UNIT 123 1-790-711-21 FFC (PEX) 122 1-790-693-22 FFC (SEN) (FOR HDD) 122 1-790-693-22 FFC (SEN) (FOR HDD) 122 1-790-710-21 FFC (SEN) (FOR HDD) 123 1-790-710-21 FFC (SEN) (FOR HDD) 124 1-790-710-21 FFC (SEN) (FOR HDD) 125 1-790-710-21 FFC (SEN) (FFC (SEN) (FFC (SEN)) 1-790-710-21 FFC (SEN) (FFC (SE	* 11 * 11 12	4-651-706-01 4-651-707-11 4-651-707-21 1-763-658-11 4-643-832-31	HEATSINK BOTTOM INSULATOR HEATSINK BOTTOM INSULATOR HEATSINK BOTTOM FAN, DC (WITH HEAT SINK) DUMMY CARD	81	6-600-041-01	C HYM/IV16M655AT6-P (PC-100 SO-DIMM (128MB CL2)) (FX310/FX310K/FX310P/ FX340/FX340K/FX340P) IC HYM/IV16M655HCT6-P
1-528-287-11 SPEANER UNIT 123 1-790-711-21 FFC (PEX) 122 1-790-693-22 FFC (SEN) (FOR HDD) 122 1-790-693-22 FFC (SEN) (FOR HDD) 122 1-790-710-21 FFC (SEN) (FOR HDD) 123 1-790-710-21 FFC (SEN) (FOR HDD) 124 1-790-710-21 FFC (SEN) (FOR HDD) 125 1-790-710-21 FFC (SEN) (FFC (SEN) (FFC (SEN)) 1-790-710-21 FFC (SEN) (FFC (SE	15 18	4-643-832-21 A-8025-266-A	DUMMY CARD [CH]SWX-73 (CH) ASSY (S)	84	1-960-827-21	HARNESS (2 PIN)
### 1	18 19 20	A-8066-960-A X-4623-388-2 1-529-287-11	[JP]COMPLETE PWB SWX-73Z3 ASSY HOOD KEYBOARD (Z) SPEAKER UNIT	88 88 105 123	A-8058-171-A A-8058-172-A 4-641-630-11 1-790-711-21	COVER BAY HOLE
### 1	21 22 24	3-718-233-01 1-790-639-22 1-796-162-21	NUT, PLATE FPC 50PIN (FOR HDD) (FX310/FX310K/FX310P/ FX340/FX340K/FX340D)	124 125 * 128	1-757-767-11 1-790-710-11 4-653-452-01	FFC (TP-CNX) FFC (SWX-PWS)
### 1	24	1-796-178-11	HDD (MK1517GAP, 15.0GB) (FX370/FX370K/FX370P)	* 134 136	4-645-433-01 4-644-357-01	BRACKET BAY CONNECTOR CUSHION SPK
### 1	24	1-796-179-11	(FX390/FX390K/FX390P) HDD (30GB, IC25N030ATDA04-0)	147	8-759-835-93	FX390P)IC KP80526GY001256
### 1	25 26	1-476-647-12 X-4623-390-2	KEY BOARD UNIT (US) ASSY PALMREST	147	6-700-454-01	(FX340/FX340K/FX340P) IC KP80526GY900256 (PIII 900 MHz)
\$56	27 28	1-772-529-72 A-8025-267-A	PAD, TOUCH [CH]CNX-125 (CH) ASSY (S)	147	0-701-370-01	IC KP80526NY900128 (C900 MHz)
\$56	29	4-651-699-01	BRACKET PAD	* 152 153	4-651-871-01	HEAT SINK
\$56	* 30 31 32	4-651-708-02 4-640-861-04 1-796-072-21	BRACKET (HDD) BRACKET CD-ROM R COMBO DRIVE (HJDA710)	154 155	4-651-989-01 4-651-701-01	SPACER (MBX)
\$56	33	X-4623-436-2	ASSY DOOR DVD-RW PA	156 157	4-653-151-01 4-653-466-01	SPACER (KBF) CUSHION (HD-M)
\$56	34 38 38	4-651-713-11 4-651-713-02	[CH]DOOR (IO) (*1) [JP]DOOR I/O (*1)	160	4-653-964-01	SPACER (B/P)
\$56	39 40	4-651-844-01 4-651-714-01	FOOT REAR DOOR DOCKING CONNECTOR	161 162 163	4-654-047-01	SHIELD (AV)
\$56	41 46	4-640-851-11 A-8025-233-A	FOOT FRONT [CH]PWS-13 (CH) ASSY (S)	164	1-779-745-21	[JP]JACK, DC
\$56	48 52	1-761-380-23 1-790-640-11	CARD, MODEM FPC 50PIN (FOR CD-ROM)	166 167	1-695-514-21 1-815-221-21	[JP]JACK (SMALL TYPE) 1P [JP]CONNECTOR. USB (VERTICAL)
* 57	55 56	4-640-845-11 4-644-349-01	BUTTON BAY	168 169		[JP]JACK, SMALL TYPE SHIELD (USB)
184	* 57 * 58	4-640-854-01 4-651-850-01	SPRING BAY BRACKET BOTTOM	170	4-644-667-01	COVER RJ-11
67	60	4-651-698-01	DISPLAY BASE	184	4-654-776-01	INSULATOR (SCREW)
* 72	67 67	4-652-099-21 4-652-099-02	[CH]LABEL I/O (*1) [JP]LABEL I/O (*1)		4-654-320-21	SHEET (COIL), THERMAL Refer to section "5-2.FDD Section".
74	* 72	4-651-709-41	[CH]BRACKET IO	В3	4-644-899-01	SCREW (M2), SPECIAL HEAD SCREW (M2), O NUMBER P3 KIND
B12	74 * 76	4-651-702-01 4-644-361-01	DOOR DIMM BRACKET SPK	В7	4-644-402-12	SCREW (MBX)
B15	* 78	4-644-362-21	PLATE PALMREST			SCREW (M1.7X3.5) SCREW (M2.6), CROSS (HOLE) BIND
B33 4-642-852-21 +B M2 B34 4-641-726-11 SCREW (M2), SPECIAL HEAD B35 7-621-772-70 SCREW +B 2X14				B15 B18	4-635-301-01 4-635-966-01	SCREW M3X4 SCREW (HEX)
B35 7-621-772-70 SCREW +B 2X14				B33	4-642-852-21	+B M2
				B35	7-621-772-70	SCREW +B 2X14

^{*1:} When replacing the part Ref No.38 or Ref No.67, replace them together.

In addition, select the same type of the parts ([CH] type or [JP] type) as that of the original model from which you remove the defective part.



that is available on market, for the backup battery.

^{*3 [}JP] type only.

 $^{*4\} FX370/FX370K/FX370P/FX390/FX390K/FX390P\ Model\ Only$

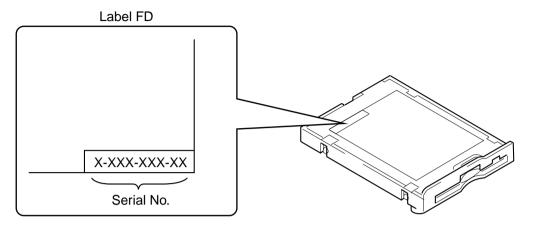
5-2. FDD Section

MEMO

5-6

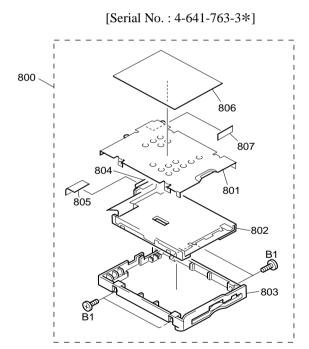
How to use properly the FDD repair parts.

Types of service to be provided are different depending on the serial No. of the FDD in use.



The service types are shown below depending on the serial No. that is printed in the bottom right of the FD label.





Ref.No.	Part No.	Description
800	A-8025-674-A	FDD UNIT ASSY (TN-CH)

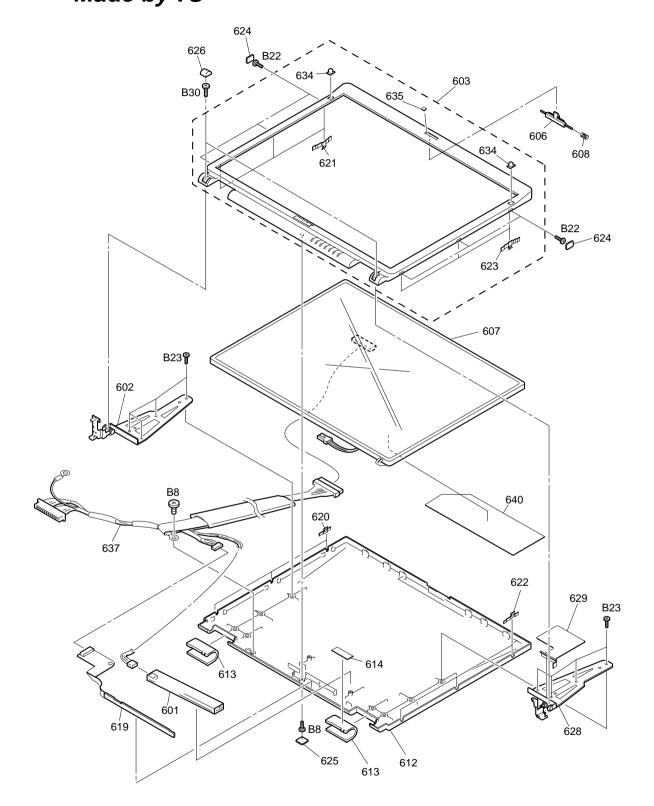
<pre>Ref.No.</pre>	Part No.	<u>Description</u>
800 801 802 803 804 805	A-8048-966-A 4-640-828-01 1-796-231-11 X-4623-835-1 1-790-641-11 4-641-629-01	ASSY BAY FD (TE) PLATE FDD FDD (FD-07-7760) ASSY BOTTOM FDD Z (TCY3) FPC 50PIN (FOR FDD) INSULATOR FDD
806 807	4-641-763-31 4-644-053-01	LABEL FD SPACER FDD
В1	4-646-807-01	0 PLATE M2.5 (FDD)

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CG-FX310/FX310K/FX310P/FX340K/
CG-FX340P/FX370K/FX370P/FX390/

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5-3. LCD Section (FX370/FX370K/FX370P/FX390/FX390K/FX390P Model) – Made by TS –



5-7

Ref.No.	Part No.	Description
602 603 606	1-476-316-11 X-4623-380-1 X-4623-448-2 4-637-902-41 1-477-012-11	HINGE LEFT 15 ASSY HOU, BEZEL 15SA-Z LATCH
613 614	4-637-903-01 X-4623-415-1 4-642-762-41 4-658-378-11 4-658-378-21	(FX390)LABEL ID (U)
614 614 614 619	4-658-377-11 4-658-377-21 4-658-378-61 4-658-378-71 1-757-604-11 4-642-755-01	(FX370K)LABEL ID (U) (FX390P)LABEL ID (U) (FX370P)LABEL ID (U)
622 623 624	4-642-756-01 4-642-757-01 4-642-758-01 4-646-217-11 4-635-277-22	
628 629 634	4-643-549-12 X-4623-381-1 4-643-366-11 4-635-276-22 4-642-760-12	COVER SCREW SHAFT HINGE RIGHT 15 EDGE GUARD HINGE (15) COVER SCREW UPPER CUSHION CENTER
637 640	1-961-018-71 4-658-280-01	HARNESS,LCD (XGA-F-N) SHIELD TAPE (LCD)

NOTE:

Set the DIP switch on the MBX-49 board (Main board) to match with the LCD (1-477-012-11) that is used in this computer.



The upper position where ON indication is shown is the ON position . The lower position is the OFF position.

No.	1	2	3	4	5	6	7	8
ON/OFF	0	1	0	0	0	1	1	1
				0:	ON		1: 0	FF

 Ref.No.
 Part No.
 Description

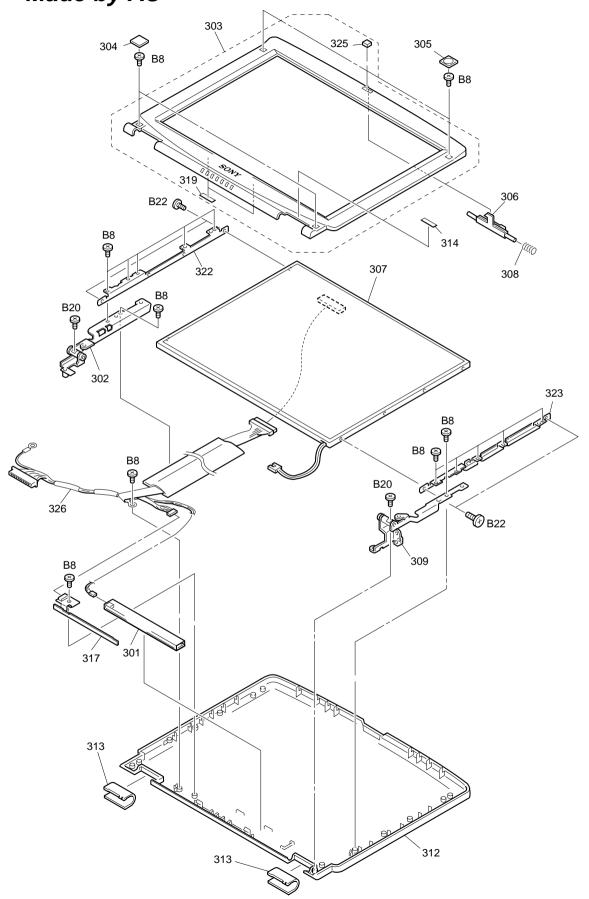
 B8
 4-641-726-11
 SCREW (M2), SPECIAL HEAD

 B22
 4-642-761-01
 +P M2X3 LOCK

 B23
 4-644-165-01
 SCREW (M2.6X4), 0 PLATE P1 MAIN

 B30
 4-643-550-01
 +P 2.6X6 LOCK PRECISION TYPE3

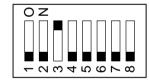
5-4. LCD Section (FX340/FX340K/FX340P Model) - Made by AC -



Ref.No.	Part No.	Description
301 302 303 304	1-476-316-21 X-4623-378-1 X-4623-776-1 4-635-277-22 4-635-276-22	INVERTER UNIT HINGE LEFT MV
307 308 309	4-637-902-41 1-476-166-11 4-637-903-01 X-4623-379-1 X-4623-460-1	HINGE RIGHT MV
314 314 314	4-642-762-41 4-658-378-31 4-658-377-31 4-658-378-81 1-757-605-11	
* 322 * 323 325	4-654-966-01 4-644-163-01 4-644-164-01 4-642-760-12 1-961-018-31	SHEET (BEZEL), ADHESIVE BRACKET LCD LEFT 14 (SA) BRACKET LCD RIGHT 14 (SA) CUSHION CENTER HARNESS, LCD (XGA-F-N)
B20	4-641-726-11 7-628-254-00 4-658-316-01	SCREW (M2), SPECIAL HEAD SCREW +PS 2.6X5 ACE (M2), +B LOCK

NOTE:

Set the DIP switch on the MBX-49 board (Main board) to match with the LCD (1-476-166-11) that is used in this computer.



The upper position where ON indication is shown is the ON position . The lower position is the OFF position.

No.	1	2	3	4	5	6	7	8
ON/OFF	1	1	0	1	1	1	1	1
				Λ.	\bigcirc N		1 • •	FF

Ref.No.	Part No.	Description ACCESSORIES **********
701	A-8048-965-A	ASSY WEIGHT SAVER (Z) (Refer to P.5-4)
1 702 703	1-476-342-22 1-528-935-22	ADAPTOR, AC (FX370/FX370K/FX370P/FX390/FX390K/ FX390P)BATTERY PACK, LITHIUM ION
703	1-756-147-12	(FX340/FX340K/FX340P) BATTERY PACK, LITHIUM ION
704	1-575-875-51	CORD, CONNECTION
Λ	1-757-562-21	CORD, POWER

701 Weight saver (1)



703 Battery pack (1)



702 AC adaptor (1)



704 Video cable (1)

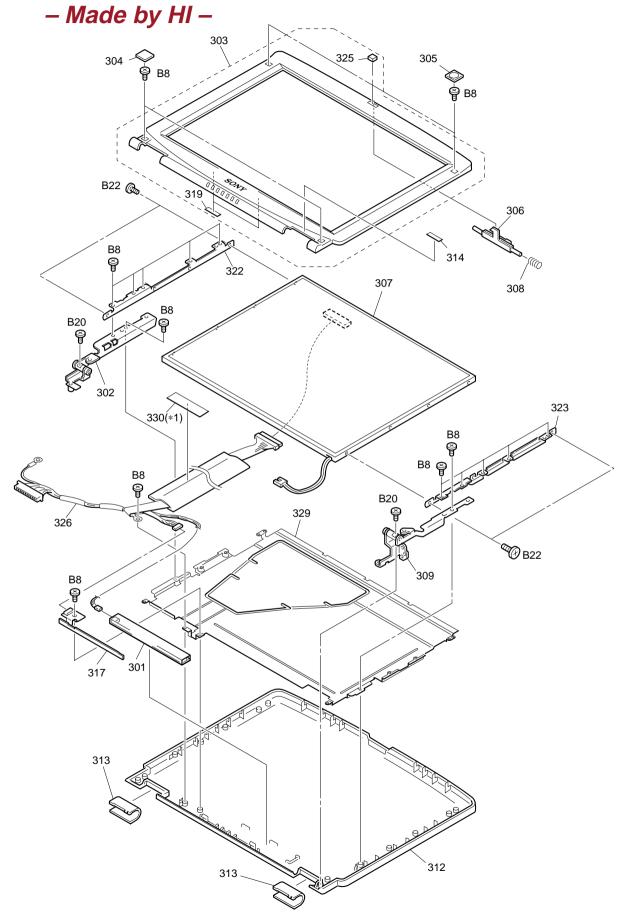


The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque A sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

5-4-A. LCD Section (FX310/FX310K/FX310P Model)

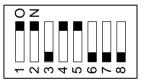


301 302 303 304	Part No. 1-476-316-21 X-4623-378-1 X-4623-776-1 4-635-277-22 4-635-276-22	INVERTER UNIT HINGE LEFT MV ASSY HOU,BEZEL 14H-Z
307 308 309	4-637-902-31 A-8025-245-A 4-637-903-01 X-4623-379-1 X-4623-397-1	ASSY LCD 14XGA (HT) (S) SPRING LATCH HINGE RIGHT MV
314 314 314	4-642-762-31 4-658-377-51 4-658-378-51 4-658-378-91 1-757-605-11	(FX310K)LABEL ID (U) (FX310)LABEL ID (U) (FX310P)LABEL ID (U)
* 322 * 323 325	4-654-966-01 4-644-163-11 4-644-164-11 4-642-760-12 1-961-018-31	BRACKET LCD RIGHT 14 (SA) CUSHION CENTER
* 329	4-651-747-01	DISPLAY SHIELD PLATE MV

Ref.No.	Part No.	<u>Description</u>
B8	4-641-726-11	SCREW (M2), SPECIAL HEAD
B20	7-628-254-00	SCREW +PS 2.6X5
B22	4-658-316-01	ACE (M2), +B LOCK

NOTE:

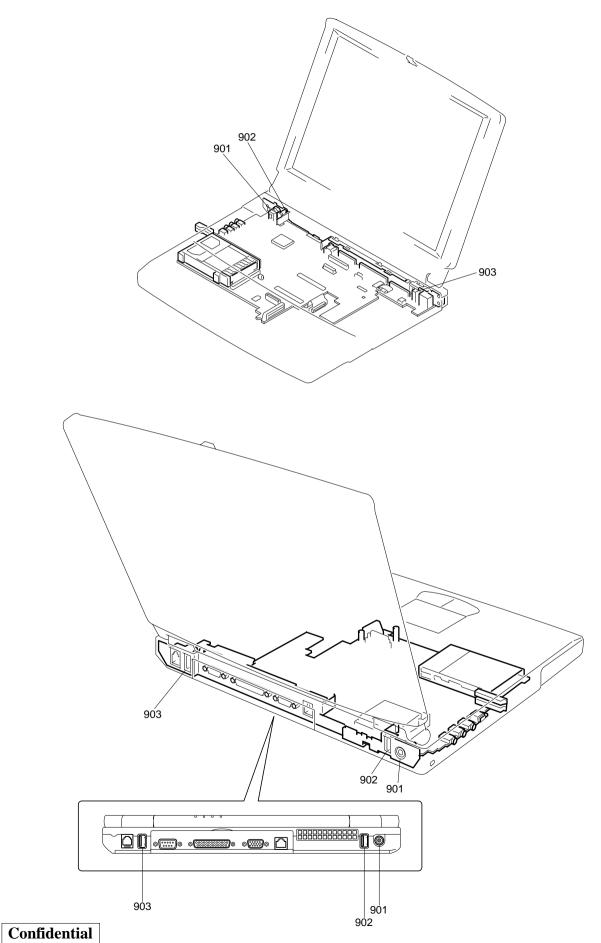
Set the DIP switch on the MBX-49 board (Main board) to match with the LCD (A-8025-245-A) that is used in this computer.



The upper position where ON indication is shown is the ON position . The lower position is the OFF position.

No.	1	2	3	4	5	6	7	8
ON/OFF	0	0	1	0	0	1	1	1
0 · ON 1 · OFF								

5-5. Connector Section (CH Type Only)



Ref.No.	Fig.	Part No.	Description
901		1-779-745-21	[CH]JACK, DC DC IN connector
902		1-815-422-11	[CH]USB CONNECTOR (VERTICAL) USB connector
903		1-815-221-21	[CH]CONNECTOR, USB (VERTICAL) USB connector

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MEMO

List of PCG-FX Series (As of November, 2001)

Model Name	Service Manual Part No.
PCG-FX190	
PCG-FX170	
PCG-FX150	9-872-179-11
PCG-FX140	
PCG-FX120	
PCG-FX190K	
PCG-FX170K	
PCG-FX150K	9-872-194-11
PCG-FX140K	
PCG-FX120K	
PCG-FX290K	0.972.200.44
PCG-FX290	9-872-209-11
PCG-FX270K	
PCG-FX270	
PCG-FX250K	
PCG-FX250	
PCG-FX240K	9-872-227-11
PCG-FX240	
PCG-FX220K	
PCG-FX220	
PCG-FX876	0.070.000.44
PCG-FX776	9-872-228-11
PCG-FX210	9-872-204-11
PCG-FX215	9-872-232-11
PCG-FX340	
PCG-FX370	
PCG-FX390	
PCG-FX340K	
PCG-FX370K	
PCG-FX390K	9-872-259-04
PCG-FX340P	9-872-259-04
PCG-FX370P	
PCG-FX390P	
PCG-FX310	
PCG-FX310K	
PCG-FX310P	
PCG-FXA32	
PCG-FXA33	9-872-253-01
PCG-FXA36	

: Additional Models

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Revision History

Suffix	Ver.	Date	Contents	QM No.
-01	Ver. 1	2001.09.28	First Edition	
-02	Ver.2	2001.10.09	Front Page (Model Line Up), Page 5-7, Page 5-8, Page 5-9, Page 5-10, Back Cover	M2001_080K
-03	Ver.3	2001.10.19	Front Page (Model Line Up), Page 1-9, Page 1-11, Page 1-15, Page 4-1, Page 5-2	M2001_083K
			Page 5-3, Page 5-7, Page 5-8, Page 5-9, Page 5-10, Back Cover	
-04	Ver.4	2001.11.5	Front Page (Model Line Up), Page 1-15, Page 4-1, Page 5-2, Page 5-10(a), Page 5-10(b)	M2001_088K
			Back Cover	
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< Remarks >

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